

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 December 2005 (01.12.2005)

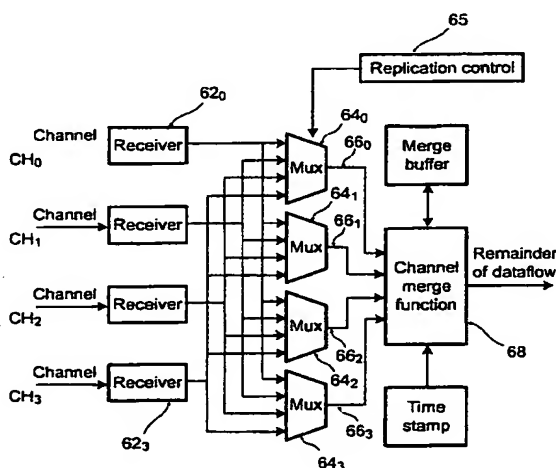
PCT

(10) International Publication Number
WO 2005/114910 A1

- (51) International Patent Classification⁷: **H04L 12/26**, 29/06
- (21) International Application Number: PCT/GB2005/001994
- (22) International Filing Date: 20 May 2005 (20.05.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/572,762 21 May 2004 (21.05.2004) US
- (71) Applicant (for all designated States except US): **XYRATEX TECHNOLOGY LIMITED** [GB/GB]; Langstone Road, Havant, Hampshire PO9 1SA (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **WINTER, Howard, William** [GB/GB]; 92 Havandale, Hedge End, Southampton SO30 0FF (GB).
- (74) Agent: **FREEMAN, Avi**; Beck Greener, Fulwood House, 12 Fulwood Place, London WC1V 6HR (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: A METHOD OF PROCESSING DATA, A NETWORK ANALYSER CARD, A HOST AND AN INTRUSION DETECTION SYSTEM



(57) Abstract: The present invention relates to a method of processing data. The method comprises: receiving data from a network link; replicating said data on board a network analyser card to produce at least two editions of the received data; and writing said editions of the received data to an area of memory in a host that is directly accessible by a host application. The invention also relates to a network analyser card for connection to a host and a network, the card comprising: a receiver for receiving plural data frames from a network link; data replication means for generating at least two replica editions of the received data frames; and a descriptor adder configured and arranged to add a descriptor to substantially each of the data frames of each of the at least two replica editions of the received data frames, the descriptor including data about the data frame to which it is attached for use in processing of the data frame.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.